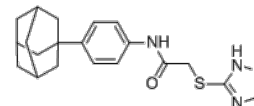


Product Name : MGH-CP1
Cat. No. : PC-49541
CAS No. : 896657-58-2
Molecular Formula : C₂₀H₂₄N₄OS
Molecular Weight : 368.50
Target : YAP-TEAD
Solubility : 10 mM in DMSO



Biological Activity

MGH-CP1 (MGH-CP-1) is a specific small molecule **TEAD** palmitoylation inhibitor, exhibits dose-dependent and potent inhibition of **TEAD2/4** auto-palmitoylation in vitro with IC₅₀ of 710 nM and 672 nM, respectively.

MGH-CP1 treatment markedly decreased the palmitoylation levels of endogenous or ectopically expressed TEAD proteins in cells.

MGH-CP1 does not affect auto-palmitoylation of several ZDHHC-family palmitoyl acyltransferases.

MGH-CP1 selectively blocks YAP/TAZ-TEAD downstream transcription in vitro.

MGH-CP1 potently inhibited crypt over-proliferation in Lats1/2 KO intestine, suppresses Myc expression, inhibits over-proliferation, and induces apoptosis in APC-mutated intestine.

References

Li Q, et al. *Cell Stem Cell*. 2020;26:675–692 e678.

Sun Y, et al. *Nat Commun*. 2022 Nov 8;13(1):6744.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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